

EV561644507US

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



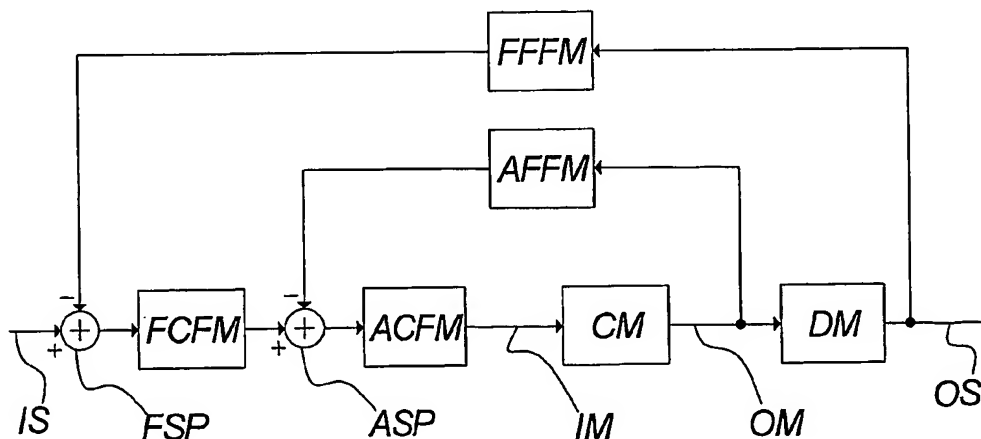
(43) International Publication Date  
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number  
**WO 2005/002050 A1**

- (51) International Patent Classification<sup>7</sup>: **H03H 11/12 //** **H03F 3/38, H03K 7/08, H03B 28/00**
- (21) International Application Number:  
PCT/DK2003/000447
- (22) International Filing Date: 27 June 2003 (27.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): TC ELECTRONIC A/S [DK/DK]; Sindalsvej 34, DK-8240 Risskov (DK).
- (72) Inventors; and  
(75) Inventors/Applicants (for US only): FREDERIKSEN, Thomas, Mansachs [DK/DK]; Marstrandsgade 23, 2.tv, DK-8000 Århus C (DK). PEDERSEN, Kim, Rishøj [DK/DK]; Skæring Sandager 54, DK-8250 Egå (DK).
- (74) Agent: PATENTGRUPPEN ApS; Arosgårdens, Åboulevarden 31, DK-8000 Aarhus C (DK).
- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SELF-OSCILLATING POWER CIRCUIT



(57) Abstract: The invention relates to a self-oscillating circuit comprising comparator means (CM) comprising at least one input means (IM) and at least one output means (OM), at least one of said at least one output means (OM) is coupled to at least one of said at least one input means (IM) via at least one filtering means (FM), said at least one filtering means (FM) at least partly comprising demodulation means (DM), wherein said filtering means (FM) is of at least fifth order.

WO 2005/002050 A1